Your Optimus Three-Way Bass Reflex Car Speaker System is designed to give
you clean sound with powerful bass. The system is ideal for rear-deck
mounting.

To get the best sound from your speakers, please read all of these
instructions carefully for the proper wiring and mounting procedures.

BEFORE YOU BEGIN

We recommend that you connect your autosound system to the speakers before
you mount them so you can test the speakers and the wire connections. When
you verify that everything works properly, turn off your autosound system
and mount the speakers.

NOTE: If you are unsure about the following installation process, we
       recommend that you have a professional install the speakers.

Connect two speakers to your auto sound system as shown.

NOTES:

      If your autosound system has a front-to-rear fader, follow the
      instructions in the audio component's manual for the correct speaker
      connections.

      To ensure proper phasing, match the speaker wires to the corresponding
      red (+) or black (-) speaker terminals. Improper phasing can cause
      poor bass response.

CAUTIONS:

      Do not connect any of your speaker wires to chassis ground. Use all
      four wires to connect the speakers to your vehicle's autosound system.

      Do not connect four speakers to your car stereo/amplifier unless it is
      designed for a four speaker connection. See your stereo/amplifier's
      owner's manual for instructions.

ROUTING SPEAKER WIRE

Avoid routing speaker wire near moving parts or sharp edges. You can
usually route it along the wiring channel beneath the vehicle's door
facings by carefully removing the molding that holds the carpet in place.
After routing the speaker wire, replace the molding.

MOUNTING THE SPEAKERS

After you have connected the speakers and turned on your autosound system
to ensure that everything is working properly, turn off your autosound
system and mount the speakers.

1. Select a flat area (such as your car's rear deck) for the mounting
    surface. The surface should be sturdy enough to support the weight of
    the speakers.

2. Use the speaker cabinet's base as a template to mark the desired

mounting position. Then determine the center of the mounting position.

3. Drill a hole 1/4-inch wide in the center of the mounting position.

4. Attach the bolt to the bottom of the speaker cabinet and secure the bolt using a Phillips screwdriver.

5. Position the speaker cabinet on the mounting surface by inserting the bolt through the drilled hole.

6. Underneath the mounting surface, place the washer over the bolt. Then thread and tighten the wing nut until the speaker cabinet is secure.

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Three-Way Bass Reflex Car Speaker System
(120-1725)              Specifications         Faxback Doc. # 15674

Crossover Capacitor
Size...................................................5x11 mm
Capacitance..................................2.2 micro Farad, 50 V (B/P)
Speaker Size: ........................................ 3 1/2-inch woofer
                                                        2-inch midrange
                                                      1 1/2-inch tweeter
Barium Magnet Weight: ........................................ 5.36 oz
Power Handling Capacity: ................................. 30 Watts each
Impedance: ................................................... 4 ohms
Frequency Response: ................................... 150 - 20,000 Hz
Sensitivity: .................................................. 90 dB
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Specifications are typical; individual units may vary. Specifications
are subject to change without notice.

(br/km-02/19/1997)

Audio Connection Information
(120-Series)   Plug/Male 2 Ch. System   Faxback Doc.# 19994

Pin No.	WIRE COLOR	WIRE SPECS.	LABEL	REMARK
1	WHT/BLK	AWG #20 2P CORD	FRONT L-	STRIP SOLDER
2	GRY/BLK	"	FRONT R-	"
3				
4				
5	BLACK	AWG 206	GROUND	6.3mm r FORK TERMINAL
6	ORG/WHT *	"	DIMMER	STRIP SOLDER
7	PINK/WHT *	"	PHONE MUTE	"
8	WHITE	AWG #20 2p CORD	FRONT L+	"
9	GRAY	"	FRONT R+	"
10				
11				
12	RED	AWG #20	+12 V TO IGNITION	250/ 1A FUSE & 24M/M TRANS STRIP SOLDER
13	YELLOW	"	+12 V TO BATTERY	250/ 1A FUSE STRIP SOLDER
14	DARK BLUE/ WHITE	"	AMP REMOTE TURN ON 500mA MAX +12 V OUTPUT	WIRE BANDING & TUBE HEATING

* May or may not be present depending on features of individual radios.

(2CH/4CH SWITCHABLE UNIT)

Pin No.	WIRE COLOR	WIRE SPECS.	LABEL	REMARK
1	WHT/BLK	AWG #20 2P CORD	FRONT L-	STRIP SOLDER
2	GRY/BLK	"	FRONT R-	"
3	GRN/BLK	"	REAR L-	"
4	VIO/BLK	"	REAR R-	"
5	BLACK	AWG 206	GROUND	6.3mm r FORK TERMINAL
6	ORG/WHT *	"	DIMMER	STRIP SOLDER
7	PINK/WHT *	"	PHONE MUTE	"
8	WHITE	AWG #20 2p CORD	FRONT L+	"
9	GRAY	"	FRONT R+	"
10	GREEN	"	REAR L+	
11	VIOLET	"	REAR R+	"
12	RED	AWG #20	+12 V TO IGNITION	250/ 1A FUSE & 24M/M TRANS STRIP SOLDER
13	YELLOW	"	+12 V TO BATTERY	250/ 1A FUSE STRIP SOLDER
14	DARK BLUE/ WHITE	"	AMP REMOTE TURN ON 500mA MAX +12 V OUTPUT	WIRE BANDING & TUBE HEATING

* May or may not be present depending on features of individual radios.

4 Chnl Unit

Pin No.	WIRE COLOR	WIRE SPECS.	LABEL	REMARK
1	WHT/BLK	AWG #20 2P CORD	FRONT L-	STRIP SOLDER
2	GRY/BLK	"	FRONT R-	"
3	GRN/BLK	"	REAR L-	"
4	VIO/BLK	"	REAR R-	"
5	BLACK	AWG 206	GROUND	6.3mm r FORK TERMINAL
6	ORG/WHT *	"	DIMMER	STRIP SOLDER
7	PINK/WHT *	"	PHONE MUTE	"
8	WHITE	AWG #20 2p CORD	FRONT L+	"
9	GRAY	"	FRONT R+	"
10	GREEN	"	REAR L+	
11	VIOLET	"	REAR R+	"
12	RED	AWG #20	+12 V TO IGNITION	250/ 1A FUSE & 24M/M TRANS STRIP SOLDER
13	YELLOW	"	+12 V TO BATTERY	250/ 1A FUSE STRIP SOLDER
14	DARK BLUE/ WHITE	"	AMP REMOTE TURN ON 500mA MAX +12 V OUTPUT	WIRE BANDING & TUBE HEATING

* May or may not be present depending on features of individual radios.

```
          5-Pin DIN

        FRONT
        +---------+--------------+
        |  Green  |  Right (+)   |
```

```
+---------+-------------+
|  White  |  Right (-)  |
+---------+-------------+
|  Brown  |  Left (+)   |
+---------+-------------+
|  Gray   |  Left (-)   |
+---------+-------------+
|  Red    |  +12 V Power |
+---------+-------------+
```

REAR

```
+---------+-------------+
| GRN/BLK | Right (+)   |
+---------+-------------+
| WH/BLK  | Right (-)   |
+---------+-------------+
| BR/BLK  | Left (+)    |
+---------+-------------+
|GRAY/BLK | Left (-)    |
+---------+-------------+
```

```
+---------+-------------+
| Orange  | S.P.L.      |
+---------+-------------+
| Black   | Ground      |
+---------+-------------+
| Red w/  | Memory      |
|  White  | Backup      |
+---------+-------------+
```

LN-03/04